

50 Main Street, Suite 360 White Plains, NY 10606 (914) 761-3582 FAX (914) 761-3759 www.vhb.com

Memorandum

To: Interested and Involved Agencies

Date: June 25, 2013

From: David B. Smith

Project 28313.43

No.:

Cc: Ken Wray, Mayor

Janet Gandolfo, Village Attorney Anthony Giaccio, Administrator

Dolph Rotfeld, Dolph Rotfeld Engineering

Re: Public Hearing on proposed location

Village of Sleepy Hollow Reservoir

Please be advised that the Village of Sleepy Hollow Mayor and Board of Trustees, acting as Lead Agency under SEQRA have scheduled a public hearing for 7:00 PM on July 9, 2013 at Village Hall, 28 Beekman Avenue, Sleepy Hollow, NY. The subject of the public hearing is the Village's evaluation of a proposed location for a new reservoir to complement their existing facility. Environmental documentation related to the proposed action is provided herewith. All members of the public are invited to comment. A written comment period has been established and will run through the close of business July 12, 2013.

Written comments should be submitted to:

Paula McCarthy Tompkins, Village Clerk 28 Beekman Avenue Sleepy Hollow, NY 10591

Email to: pmccarthy@villageofsleepyhollow.org

Fax: (914) 332-7074

Meeting Date: 06/25/2013 Resolution #: 06/85/2013

#### Village of Sleepy Hollow Reservoir Expansion Environmental Review and Public Hearing

WHEREAS, the Village of Sleepy Hollow is a duly incorporated municipal body located in Westchester County, New York; and

WHEREAS, on November 19, 1926 the Village of North Tarrytown (now Sleepy Hollow) did enter into an easement agreement with John D. Rockefeller for the creation of a municipal reservoir located in the Town of Mt. Pleasant, New York; and

WHEREAS, the Village's existing reservoir has a capacity of approximately 800,000 gallons, which heretofor had been adequate to serve the water supply needs of the Village of Sleepy Hollow; and

WHEREAS, during the course of environmental reviews for various projects located within the Village, the Westchester County Department of Health (DOH) indicated that the Village's water supply storage system was inadequate and needed to be expanded to meet current Health Department standards; and

WHEREAS, beginning in the spring of 2002, the Village did initiate a series of engineering studies to evaluate the eventual size and supply requirements of the Village's water supply system; and

WHEREAS, on November 12, 2002, the Mayor and Board of Trustees of the Village of Sleepy Hollow (the Village Board) did circulate a Notice of Intent to Act as Lead Agency for a proposed municipal water supply improvement project; and

WHEREAS, the municipal water supply improvement program includes the construction of an expanded reservoir storage system, enhancement to the water transmission system and upgrading the Village's pump station (the Proposed Action); and

WHEREAS, the Village Board would be the primary funding agency and approval authority for the proposed municipal water supply improvement project; and

WHEREAS, on March 4, 2003, the Mayor and Board of Trustees of the Village of Sleepy Hollow did declare themselves to be the Lead Agency for the environmental review of the proposed municipal water supply improvement project; and

WHEREAS, on March 25, 2003, the Lead Agency, based on the information presented in the environmental assessment form and supporting documentation, declared that the Proposed Action may have a significant effect on the environment, and that a Draft Environmental Impact Statement (DEIS) will need to be prepared; and

WHEREAS, on June 11, 2004, the Lead Agency received a preliminary DEIS that was reviewed for completeness with respect to the scope, content and adequacy of the information presented therein; and

WHERAS on August 10, 2004, the Lead Agency did declare the Draft Environmental Impact Statement to be complete and adequate for circulation and public comment; and

WHEREAS, the Lead Agency did hold a public hearing on the DEIS on September 21, 2004 in which all members of the public wishing to be heard will be provided an opportunity, and a comment period for written comments held open until October 12, 2004; and

WHEREAS, the Lead Agency commenced with the preparation of responses to the comments raised including the commission of separate reports related to utility design, ecological assessment and visual simulations; and

WHEREAS, the Lead Agency did consider two additional alternative locations for a municipal reservoir, including a location at the Phelps Memorial Hospital and analyzed those locations in the FEIS; and

WHEREAS, after reviewing the FEIS document, the Village Board, on November 7, 2006 did accept the FEIS as complete and adequate for public review and comment; and

WHEREAS, on November 28, 2006 the Village Board did hold a public hearing on the FEIS; and

WHEREAS, on December 19, 2006, the Village board did issue Environmental Findings that selected a location at the Phelps Memorial Hospital site as a preferred location; and

WHEREAS, the Village did engage in negotiations with the Hospital regarding an easement and did evaluate in more detail the anticipated costs, both one-time capital improvements and long term annual costs, of creating a new water distribution system in the Village that required the creation of separate high and low pressure systems dividing the Village; and

WHEREAS, based on an evaluation prepared by the Village's consulting engineer, the Village Board has requested that additional alternatives be considered, including a reuse of the existing easement area for the excavation to accommodate a properly sized reservoir; and

WHEREAS, the Village did discuss with representatives of the Rockefeller Brothers Fund (RBF) the possibility of locating a new reservoir facility off of Lake Road on the grounds of the Kykuit Estate; and

WHEREAS, the Village did cause to be prepared a conceptual site plan that met the engineering requirements necessary to have a system that was compatible with the Village's existing reservoir; and

WHEREAS, the Village and the RBF and their representatives have declared their intent to enter into a long term agreement to locate a new reservoir facility off of Lake Road on the Kykuit Estate; and

NOW, THEREFORE, BE IT RESOLVED, that the Village Board, acting as Lead Agency, under SEQRA, has caused to be prepared additional Environmental Documentation for review by other Interested and Involved Agencies and members of the public prior to the Village Board making a decision to fund the proposed project; and be it further

RESOLVED, the Village Board authorizes the VHB, acting as the Village's Planning Consultant, to prepare a submission to the Town of Mt. Pleasant for Special Permit as required under Section 218-55 of the Town Code; and be it further

RESOLVED, that prior to making a decision as to the new location or funding, the Village Board will hold a public hearing on July 9, 2013, in which all members of the public will be provided an opportunity to be heard and that a written comment period on the Environmental Documentation will be held open until July 12, 2013.

Moved: Trustee Wompa Seconded by: Deputy Mayor Lobato-Church Vote: 5-0

#### This Resolution and accompanying Environmental Documentation has been circulated to the following:

Ms. Rose Harvey, Commissioner NY State Office of Parks, Recreation & Historic Preservation Empire State Plaza Agency Building 1 Albany, NY 12238

Mr. Joe Martens, Commissioner NYSDEC 625 Broadway Albany, NY 12233-3507

Mr. Tom Alworth, Deputy Commissioner for Natural Resources NYSOPRHP Empire State Plaza Agency Building 1 Albany, NY 12238

Linda Cooper, Regional Director Taconic Region NYSOPRHP 9 Old Post Road Staatsburg, NY 12580

Garrett Jobson, Regional Director NYSOPRHP 9 Old Post Road Staatsburg, NY 12580

Thomas Rudolph, Acting Regional Director NYSDEC, Region 3 NYS Department of Environmental Conservation 21 South Putt Corners Road New Paltz, NY 12561-1696

Thomas Lauro, PE, Commissioner Westchester County Department of Environmental Facilities 270 North Avenue, 6<sup>th</sup> floor New Rochelle, NY 10801

Sherlita Amler, MD, Commissioner Westchester County Department of Health 145 Huguenot Street - 8<sup>th</sup> floor New Rochelle, NY 10801

Hon. Joan A. Maybury, Supervisor Town of Mt. Pleasant 1 Town Hall Plaza Valhalla, NY 10545

Tom Lyons, Director Environmental Management Bureau NYSOPRHP Agency Building 1 Empire State Plaza Albany, NY 12238 Manager Rockefeller State Park Preserve 125 Phelps Way Pleasantville, NY 10570

#### Other Agencies

Hon. Drew Fixell, Mayor Village Hall One Depot Plaza Tarrytown NY 10591

Scan McCarthy, Village Architect Village Hall 28 Beekman Avenue Sleepy Hollow, NY 10591

Sleepy Hollow Waterfront Advisory Committee Village Hall 28 Beekman Avenue Sleepy Hollow, NY 10591

Mr. Richard Gross, General Foreman Sleepy Hollow DPW and Department of Water Village Hall 28 Beekman Avenue Sleepy Hollow, NY 10591

Michael McLaughlin, Planning Board Chairman Town of Mt. Pleasant 1 Town Hall Plaza Valhalla, NY 10595

Edward Burroughs, Commissioner Westchester County Department of Planning 148 Martine Avenue White Plains, NY 10601

New York City Department of Environmental Protection c/o Ms. Marilyn Shanahan Office of Water Supply Lands 465 Columbus Avenue Valhalla, New York 10595

National Trust for Historic Preservation c/o Thompson M. Mayes, Deputy General Counsel 1785 Massachusetts Avenue, NW Washington, DC, 20036

Rockefeller Brothers Fund, Inc. c/o Charles Granquist, Executive Director Pocantico Center 475 Riverside Drive, Suite 900 New York, NY 10115

# Village of Sleepy Hollow Water Supply Improvement Program

**Environmental Documentation** 

#### ENVIRONMENTAL DOCUMENTATION

Water Supply Improvement Program Village of Sleepy Hollow, Westchester County, New York

#### Lead Agency:

Mayor and Board of Trustees
Hon. Kenneth Wray, Mayor
Village of Sleepy Hollow
28 Beekman Avenue
Sleepy Hollow, NY 10591
Contact: Anthony Giaccio, Village Administrator

#### Prepared by:

VHB, Engineering, Surveying and Landscape Architecture, PC 50 Main Street, Suite 360
White Plains, NY 10606
(914) 761-3582
Contact: David B. Smith

#### Written Comments can be submitted to:

Paula McCarthy Tompkins, Village Clerk 28 Beekman Avenue Sleepy Hollow, NY 10591

Email to: pmccarthy@villageofsleepyhollow.org

Fax: (914) 332-7074

Date: June 25, 2013

Date of Public Hearing: July 9, 2013

Written Comment Period Ends: July 12, 2013

## PARTICIPATING CONSULTANTS

# Coordination and Report Preparation:

VHB, Engineering, Surveying and Landscape Architecture, PC 50 Main Street, Suite 360
White Plains, NY 10606
(914) 467-6608
Contact: David B. Smith

## **Engineering:**

Dolph Rotfeld Engineering, P.C. 200 White Plains Road Tarrytown, NY 10591 (914) 631-8600 Contact: Dolph Rotfeld, P.E.

## **Table of Contents Page**

Introduction	1
Existing Facility Location	1
Existing Utility Infrastructure	2
Project Background and Summary	3
Environmental Review Summary	4
Alternatives Previously Considered	6
Anticipated Construction Related Impacts	8
Construction Vehicle Access and Staging	9
Impact Evaluation	11
Next Steps	13

#### **APPENDIX**

A. DEIS and FEIS (Incorporated by reference, available upon request)

## List of Exhibits

Site Location
Water System
Existing Reservoir Easement
Proposed Site Layout Plan
Proposed Tree Removal Plan
Site Layout Plan – Easement Map
Alternative Water Tank Sites
DEC Environmental Features

#### Introduction

This Environmental Documentation has been prepared on behalf of the Mayor and Board of Trustees of the Village of Sleepy Hollow, acting as Lead Agency, as required by the State Environmental Quality Review Act (SEQRA) of the State of New York. A Draft Environmental Impact Statement (DEIS) for the Village of Sleepy Hollow Water Supply Improvement Program was accepted as complete on August 10, 2004. A public hearing on the DEIS was held on September 21, 2004. A Final EIS was accepted by the Village Board November 7, 2006. An Environmental Findings Statement was adopted by the Village Board on December 19, 2006. The Environmental Review Process focused on making required improvements to the Village's water supply infrastructure. Circumstances, as described below, have caused the Village to reconsider the alternatives evaluated as part of the initial environmental review. As described in greater detail below, the Village has identified a new preferred location for a second reservoir facility to be located off of Lake Road in the Town of Mt. Pleasant.

#### **Existing Facility Location**

The Village of Sleepy Hollow's existing municipal reservoir is located in what is now the Rockefeller State Park Preserve in the Town of Mt. Pleasant, Westchester County, New York. The site is bounded by a meadow to the north and by wooded areas, including a north/south trail near the east, on the other three sides. The reservoir is approximately 650 feet west of Swan Lake.

The Village pump station is located at the intersection of Neperan Road and County House Road, in the Village of Tarrytown. The Sleepy Hollow pump station is bounded by wooded land to the north, wooded Rockefeller land to the east, the Tarrytown Lakes to the south and located adjacent to the Village of Tarrytown pump station on the west. Exhibit I-1 shows the location of the reservoir and pump station.

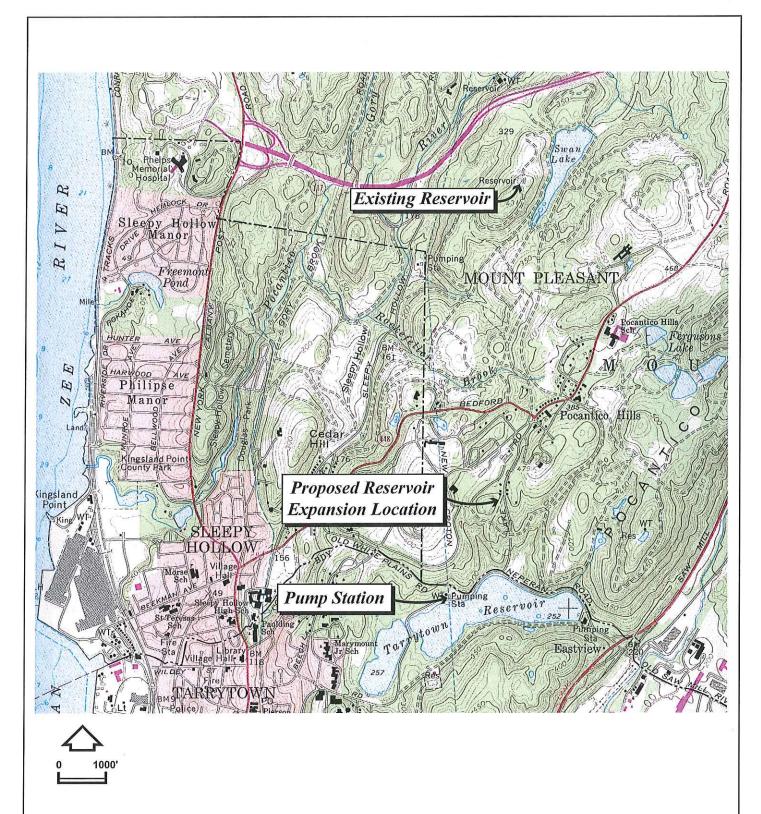


Exhibit 1 SITE LOCATION

# WATER SUPPLY IMPROVEMENT **SYSTEM**

Village of Sleepy Hollow, New York



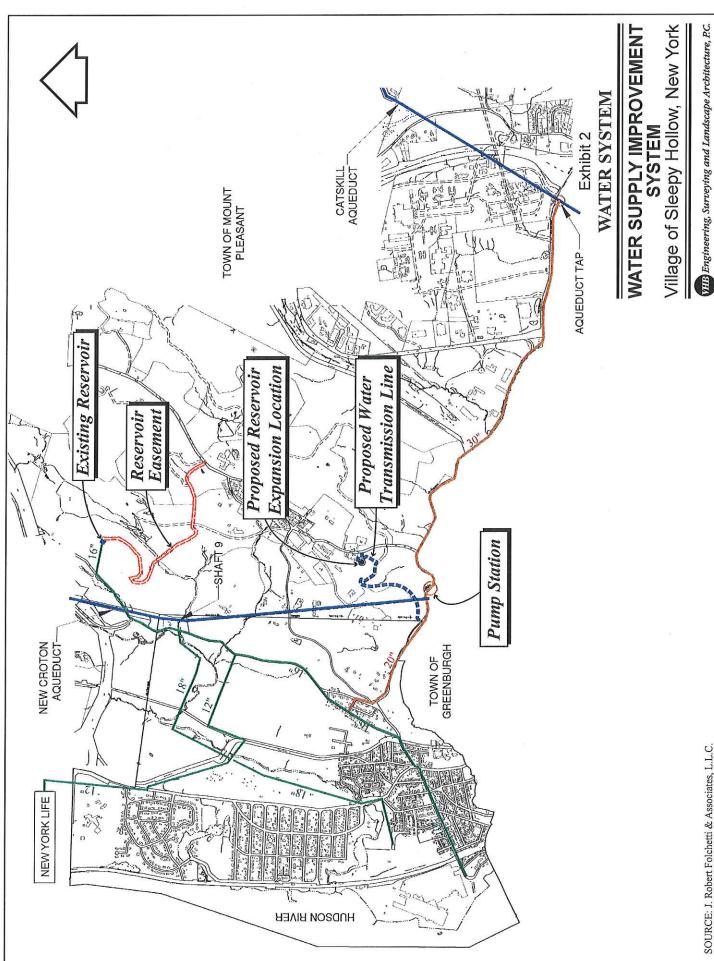
VIII Engineering, Surveying and Landscape Architecture, P.C.

#### **Existing Utility Infrastructure**

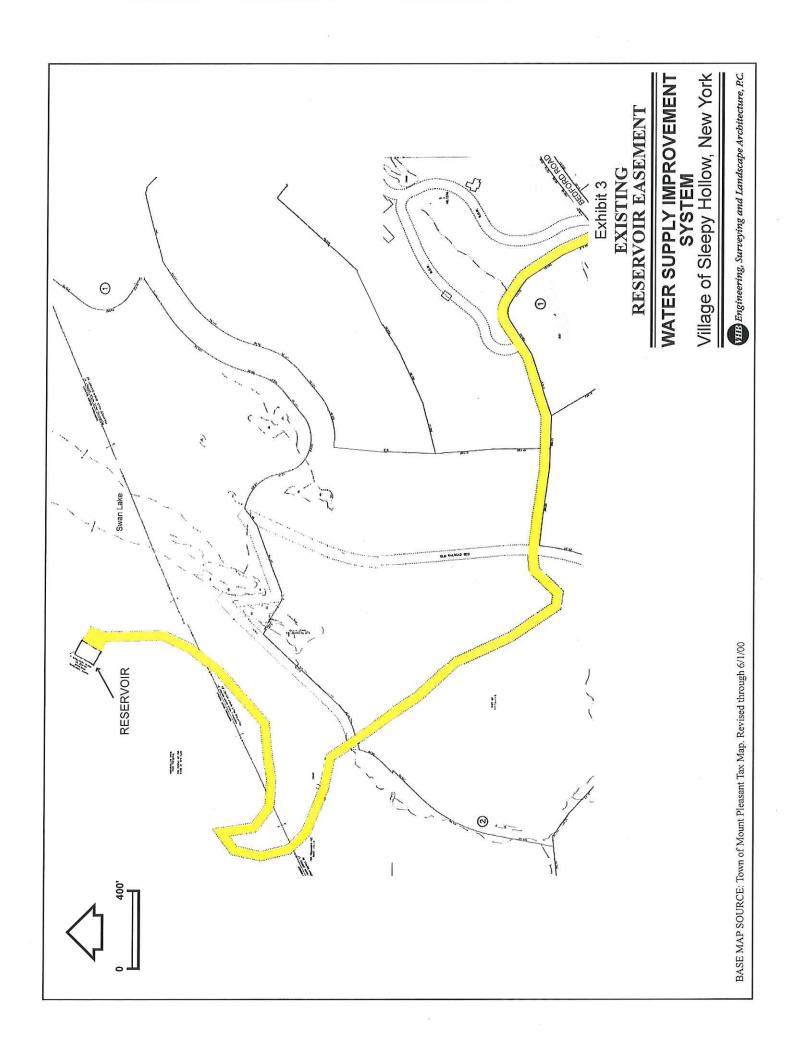
The Village's water system serves the entire Village and the New York Life building located just north of the Village boundary in the Town of Mount Pleasant. The Catskill Aqueduct serves as the main water source for the Village. The maximum capacity of the Village Pump Station off of the Catskill Aqueduct is approximately 5 million gallons per day (mgd). At the Catskill Aqueduct, located near Executive Boulevard in the Town of Greenburgh, there is a dual tap intake water source for the Villages of Sleepy Hollow, Briarcliff Manor and Tarrytown. The water is conveyed by gravity flow from the Catskill Aqueduct Tap to the Village pump station via a 30-inch pipe that is shared with the Villages of Tarrytown and Briarcliff Manor. The Villages jointly maintain this transmission line. The 30-inch pipe branches off into the Sleepy Hollow, Briarcliff Manor and Tarrytown pump stations, where each flow is metered. The Sleepy Hollow flows enter a 50,000 gallon air break tank at the Sleepy Hollow pump station. From the pump station, the water is transmitted to the reservoir located in the Rockefeller State Park Preserve via a 20-inch main that follows County House Road and North Street to a 16-inch main following Sleepy Hollow Road.

The Village currently owns, maintains, and operates a water storage reservoir with an approximate storage capacity of 763,4500 gallons, based on interior dimensions of the reservoir of ±109.7 feet length by ±74.6 feet width by ±12.5 feet depth . The reservoir has been in service for over 80 years and is located in what is now the Rockefeller State Park Preserve (Park Preserve) in the Town of Mount Pleasant. The covering for the reservoir consisting of reinforced concrete was constructed in 1978 as part of an improvement program for the reservoir. The reservoir has an exterior dimension (including roof) of is approximately 80 feet wide by 120 feet long, the above ground structure is ±6 feet high. The overflow elevation of the reservoir is 408 feet above mean sea level.

The distribution system for the Village provides approximately 1.4 mgd for consumption. The distribution system includes approximately 22 miles of piping, 202 hydrants, and 218 gate valves, blow-off and air release valves, meter pits, and interconnections. The water mains range



SOURCE: J. Robert Folchetti & Associates, L.L.C.



in size from 4 to 18 inches. Normal distribution system pressure varies from 60 to 180 pounds per square inch gauge (psig).

There are four existing interconnections located within the Village for emergency water supply. The interconnections are with the Village of Tarrytown (2), the United Water of Westchester, and Briarcliff Manor. The two interconnections with the Village of Tarrytown are located at the intersections of Beekman Avenue and Hudson Street and at North Broadway and College Avenue. The supply connection from United Water of Westchester and Briarcliff Manor are located at the intersections of North Broadway and Beekman Avenue and of Sleepy Hollow Road and Webber Avenue, respectively. The connection to the Town of Mt. Pleasant provides emergency service for Pocantico Hills Water District. The Village also has a connection to the New Croton Aqueduct via Shaft No. 9 when the Catskill Aqueduct is shut down.

#### **Project Background and Summary**

On November 19, 1926 the Village of North Tarrytown (now Sleepy Hollow) did enter into an easement agreement with John D. Rockefeller, John D. Rockefeller, Jr. and Abigail A. Rockefeller for the creation of a municipal reservoir located in the Town of Mt. Pleasant, New York. The language in the easement, see Appendix H of the DEIS, provided access forever to the Village of Sleepy Hollow and allowed the Village to make improvements, as necessary, to the water supply and storage infrastructure to serve the Village. The Village did ultimately construct a 75' by 110' concrete reservoir with a capacity of approximately 600,000 gallons as called for in the easement. Since 1930, the population of the Village has grown by more than 30 percent and the water supply system now supplies all or portions of the following areas of public assembly: the Tarrytowns School District, Phelps Memorial Hospital, Kendal on Hudson Continuing Care Retirement Community and the NY Life office building. In 1977, the Village made specific improvements to the Village Reservoir that, among other things, increased the capacity of the reservoir from 600,000 gallons to the present 763,450 ± gallons. In 1983, the Rockefeller Family donated ±750 acres including the area in and around the Village's reservoir to New York

State. This area has since become the Rockefeller State Park Preserve and has grown to 1,100 acres with subsequent land donations.

Given the population increases in the Village and other requirements related to health and safety issues, there is now a need to provide for additional storage capacity of approximately 2.42 million gallons. In addition, the Village's Water Department has documented that it has been more than 30 years since there has been significant maintenance upkeep to the reservoir. The Village's Water Department notes that the bottom of the reservoir has never been cleaned since it was put into service in 1925. It is noted that during pumping events to the reservoir, water can be seen surfacing from the ground, evidence that there is a leak somewhere in the storage or piping system.

In the event the Village moves forward with an improvement program that does not include the existing reservoir site, the Village will need to undertake a comprehensive maintenance program to bring the reservoir structure up to contemporary standards. Based on input from the Village's consulting Engineer, this would include repair to the inside of the existing reservoir with a concrete lining and new roof. This would include shutting down the reservoir and either using a temporary pillow tank for a temporary water source proximate to the existing reservoir or by making alternative arrangements with the neighboring Village of Briarcliff Manor and the Town of Greenburgh for temporary supply of water. Construction and maintenance equipment would access the reservoir using the existing easement for the duration of the maintenance process, which is estimated to be approximately six months.

#### **Environmental Review Summary**

The Village Board of the Village of Sleepy Hollow is responsible for the funding of improvements to the Village's municipal water supply system. These improvements currently include the construction of an expanded reservoir system, enhancement to the water transmission system and upgrading the Village's pump station and constitute the Proposed Action as defined under the State Environmental Quality Review Act (SEQRA) laws of New York State. During the course of environmental reviews for various residential projects located within the Village, the

Westchester County Department of Health (DOH) indicated that the Village's water storage system was inadequate and needed to be expanded to meet current Health Department standards, refer to Appendix D of the DEIS. Beginning in the spring of 2002, the Village did initiate a series of engineering studies to evaluate the eventual size and supply requirements of the Village's water supply system, refer to DEIS Appendix items A and B and FEIS Appendix A. As a result of the historical growth of the Village, the various other public and private entities requiring water and the anticipated growth within the community associated with the redevelopment of the former GM Assembly Plant, the engineering studies calculated that in order to meet Health Department Standards a total of approximately 2.42 million gallons of storage are needed, an approximately 1.65 million gallon increase over existing conditions. This figure includes not only the needs of the population for potable water but also for emergency purposes.

On November 12, 2002, the Mayor and Board of Trustees of the Village of Sleepy Hollow (the Village Board) did circulate a Notice of Intent to Act as Lead Agency for a proposed municipal water supply improvement project as required under SEQRA. In August 2004, the Village did accept as complete a Draft Environmental Impact Statement for the creation of a new reservoir proximate to the Village's existing reservoir. The August 2004 DEIS is incorporated into this review by reference. Under, SEQRA the Proposed Action considered as part of the DEIS included the construction of a new 1.6± million gallon storage tank located proximate to the Village's existing reservoir in the Park Preserve and improvements to the pumping system serving the reservoir system.

On November 6, 2006, the Village accepted as complete a Final Environmental Impact Statement (FEIS) that responded to all comments raised at the public hearing held on the DEIS on September 21, 2004 and during the written comment period. The FEIS is incorporated into this review by reference. The FEIS described revisions to the Proposed Action which included the construction of a single 2.42 million gallon reservoir located approximately 200 feet northwest of the existing facility and the decommissioning of the existing reservoir. The FEIS

also included alternative location evaluations at the Phelps Memorial Hospital and the Kykuit Estate.

As noted throughout the previous environmental review process, the issue of water relates to storage, not supply. In fact, the Village has, and is in the process of enhancing, in conjunction with Tarrytown and Briarcliff Manor, a connection to the New York City DEP UV treatment plant off Grasslands Road and through recent inter-municipal connections with the Village of Briarcliff Manor. The Village does note that over the course of time the disruptions to the water supply service to the Village has increased in frequency and duration per event, further exacerbating a situation where having sufficient water storage remains critical. Since January 2010, the Village experienced 21 events which averaged approximately 18 hours per event. Since the beginning of 2011, the Village has experienced fewer events, however, their duration lasted longer, averaging approximately 24 hours per event.

It is noted that the Village, as part of the comprehensive EIS process, evaluated some 24 different alternative locations for either a companion 1.65 ± million gallons or new 2.42± million gallon reservoir. Alternatives included a design that utilized the air rights above the existing reservoir as part of a "tank over tank" alternative, refer to Section IV.C of the DEIS.

A letter submitted by the NYS OPRHP on the DEIS did specifically recognize that the existing water storage facility was a pre-existing use under specific agreement with the State prior to the Park Preserve designation. In addition, as noted above the Village has made significant improvements to its existing system, including the expansion of the water storage system in 1977 by approximately 30%.

#### **Alternatives Previously Considered**

The Village, as part of its environmental review process did consider 24 different alternative locations throughout the Village and neighboring Town of Mt. Pleasant. The Village, as part of the Environmental Findings Statement adopted on December 16, 2006, did decide that a location on the grounds of the Phelps Memorial Hospital would be the preferred alternative.

Given the existing elevation change the selection of the Phelps Hospital site would require the creation of a distinctly different supply system, including the creation of a high water and low water pressure system. Subsequently, the Village did evaluate in greater detail the cost implications of creating a water supply facility at the Phelps Memorial Hospital site. The Village consulting engineer has prepared a technical memo which outlines the infrastructure and additional manpower needed to operate and maintain a high/low pressure water supply system, refer to Appendix B of this document. Based on that evaluation, there would be considerable initial infrastructure investment and ongoing maintenance to run a two tier (high pressure/low pressure) water supply system. A cost analysis performed for the two zone system took into consideration the following: construction would consist of an ±84 ft. diameter by ±55 ft. high steel tank, with a capacity of 1.64 million gallons; a pumping station with standby generator, connecting piping to the tank from the existing water line in the access hospital road. The estimated cost for this tank is \$1,702,300. However, in order to complete the two-zone system construction will require 10,600 linear feet of 16 inch diameter pipe from the tank to the existing 18 inch diameter pipe near the GM site, road repair, control valves; and pressure reducing valves between the high and low service areas. The estimated cost for this part of the work is \$2,637,250. Along with landscaping and contingency the total construction for this option is estimated at \$4,801,000. Additional annual operation costs for the two zone system are estimated at \$91,180.

In recognition of the long -term fiscal impact to the Village residents and other uses of the Village's water supply resource, the Village has reevaluated the various alternatives considered as part of the initial EIS review for the water supply improvement program. In January of 2012 the Village circulated technical information relative to alternatives to the proposed two zone system. These included: creation of a new 2.42± million gallon tank located approximately 260 feet west of the existing facility; and expansion of the existing facility to accommodate the entire ±2.42 million gallons by either excavating down or building a tank within a tank. These were considered in addition to the 24 alternatives already evaluated as part of the initial EIS process.

#### Lake Road Alternative Site

During the course of evaluating different locations, it was suggested to the Village that they consider an alternate location somewhere on the grounds of the Kykuit Estate given that properties topographic location. The Proposed Action now includes a preferred location located approximately 160 feet west of Lake Road in the Town of Mt. Pleasant, refer to Exhibit 4 for project location. The proposed reservoir tank would be ±140 feet in diameter and approximately 15 feet deep. The existing highest ground elevation for the proposed location of the tank is at approximately 413 feet which is slightly higher than the ground elevation of the Village's existing reservoir. The proposed reservoir would be excavated into the existing terrain so that the floor elevation would be at 395'. The water elevation in the tank would be at 408'and the peak of the roof elevation of the tank at 411'±. As noted previously the elevation of the topography around the tank is approximately 410' or greater. A 16 inch pipe would connect to the existing pipe in County House Road and extend approximately 4,750 linear feet to the new reservoir location. A separate emergency pipe system and pump station will be installed so that at some future date the Kykuit Estate may be able to draw water from the Village system.

#### **Anticipated Construction Related Impacts.**

Anticipated construction related impacts associated with the development of the proposed reservoir to accommodate a new 1.62± million gallon reservoir include the following.

The anticipated sequence for the water reservoir construction would be as follows.

- (1) Install curb cut out onto Lake Road with temporary operable fence that can be locked.
- (2) Clear proposed reservoir site, create temporary staging area for equipment and vehicles, and install erosion control measures. The temporary parking area will be able to accommodate approximately three vehicles on-site. The balance of the parking for construction workers will be at the Village's existing pumping station and car-pooled to the site.

- (3) Erect temporary safety fence around site during construction.
- (4) Excavation associated with the reservoir expansion. Blasting would be required to excavate rock, the Village would be required to follow Section 104-20 through 24 of the Town of Mt. Pleasant Code. The Village of Sleepy Hollow will utilize a rock crusher onsite to crush excavated rock from the proposed reservoir location. The Village will use the excavated rock as part of the installation process and representatives of the Kykuit Estate have requested a portion of the crushed rock for their use on-site. The balance, if any, will be utilized by the Village.
- (5) Excavation of trenching necessary to connect the new reservoir facility to the existing water supply pipe located in County House Road. Construction of pumping station and associated piping necessary for the Kykuit Estate to purchase water sometime in the future if they so desire.
- (6) Deliver reservoir tank (steel sheets) to site.
- (7) Fabricate tank on site using crane and welding crew.
- (8) Paint reservoir, using a natural color.
- (9) Fill reservoir and place in service.
- (10) Restore trail leading to the reservoir.

#### **Construction Vehicle Access and Staging**

During construction, traffic into and out of the work area will be required. The majority of this traffic will be the construction workers employed entering and leaving the site. Delivery of material and equipment will also be required; this includes tank components, concrete, sand and gravel and excavation equipment. Access to the site will be provided by the existing and proposed trail roads coming in off of Lake Road.

In order to facilitate the construction of the proposed improvements at the Village's existing reservoir, a lay-down area would be approximately 110 by 75 square feet would be created, this would include parking for up to three construction worker vehicles. It is anticipated that

the contractor will have workers park at the Village's pump station property and carpool to the site.

All staging at the pump station site will take place on existing pump station property, which is fenced and gated in. Equipment delivered and removed will consist of pumps, panels, the new generator, some piping, electrical conduit and a small amount of debris. Access to the site will be through the existing gate.

#### **Protection of Pedestrians**

There will be no pedestrians on the pump station property; all work and staging will take place within the fenced property.

The temporary safety fence around the proposed water reservoir site will encompass the staging area and work. Workers and equipment utilizing the trail roads for access to the site would be given strict instructions to use caution on the trails and be aware of pedestrians.

#### **Impact Evaluation**

Based on the documentation provided by the Village's consulting engineer and based upon the environmental record the Village has prepared to date, including the DEIS and FEIS, the Village has considered the following impacts consistent with the previous environmental review:

Land Use and Zoning: The construction of the proposed reservoir, particularly given its relationship to the existing topography is not anticipated to create any material conflicts with land use or zoning. Under the Town of Mt. Pleasant Zoning Code the project site is located in an R-40 One-Family Residential district. The proposed reservoir would be considered a water supply facility which is a permitted special use under the code and specifically Section 218-55 of the Town Code. The following are the specific requirements from the town Code relative to water supply facilities.

All such facilities shall be located so as not to cause any nuisance to surrounding properties.

**Response:** The proposed reservoir is located approximately 180 feet from the nearest residence, although it is noted that the reservoir will be set into the topography and very little if any of the reservoir will be visible from the surrounding area.

B. The Town Board may require suitable fencing or landscaping around any structures to safeguard the public and to screen the facilities from surrounding property.

**Response:** The proposed reservoir is located within the confines of the Kykuit estate which has a fence along the entirety of its border. Access to the site will be from the main gate to the Kykuit Estate which is manned 24 hours a day.

- <u>C.</u> No outdoor storage of materials shall be permitted in any residence district. **Response:** No outdoor storage of materials is proposed as part of the proposed action after construction.
- <u>D.</u> No water towers shall exceed 100 feet in height. Water towers shall be located a distance equal to at least twice their height from all property lines.

**Response:** The proposed reservoir is located at or below existing grade.

Natural Resources: The proposed reservoir would require disturbance to approximately 1.19 acres broken down into the following: 0.23± acres for the construction of the access road from Lake Road; 0.64± acres for the construction of the water tank site; and ±0.32 acres for the disturbance associated with the installation of the new 16 inch water main. With the exception of the access road from Lake Road and the reservoir itself, the area needed to accommodate the piping will be restored. The construction staging area would be located in an area to be cleared adjacent to the existing reservoir. The subject site is wooded with mostly mature deciduous trees. As a result of implementing the now Preferred Alternative, approximately 43 trees would need to be removed, of which 12 were in poor, critical or dead condition. The Village proposes to

install a landscape screen on the north side of the access road to mitigate any potential impact. It is noted that a small, if any, portion of the proposed reservoir would be visible from immediately adjacent to the tank location given the ability to bury the tank into the topography.

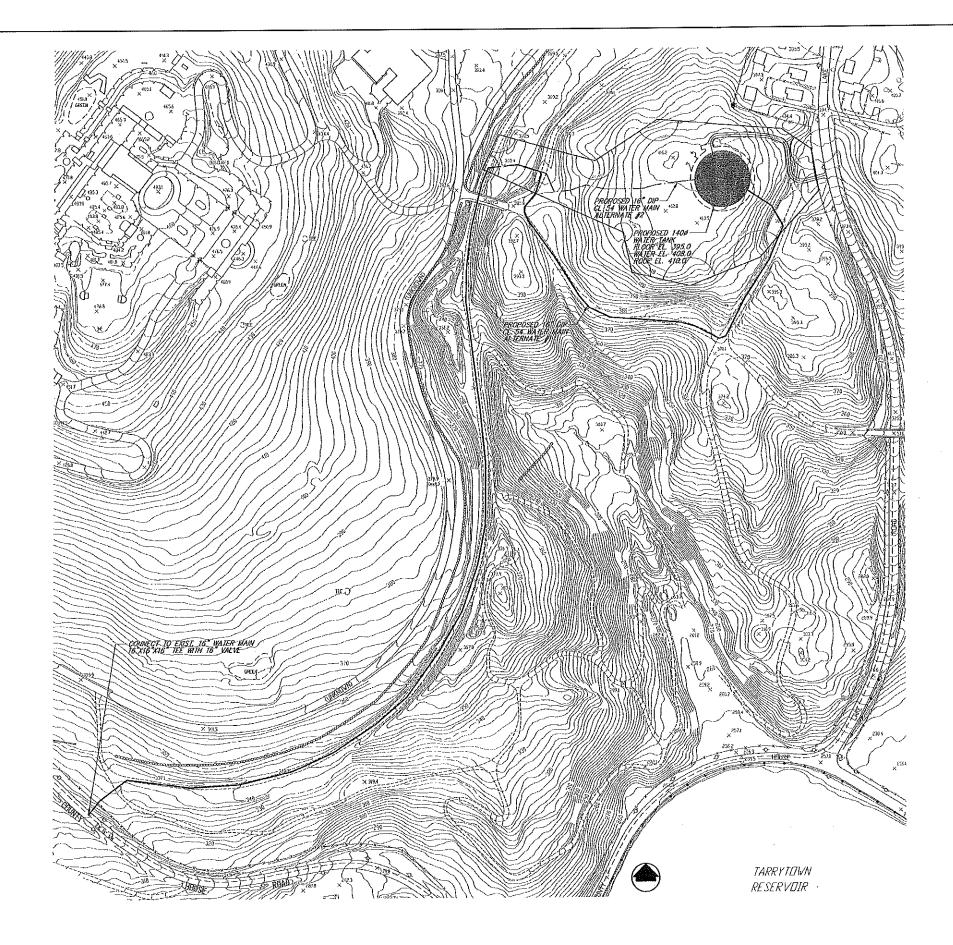
**Utilities:** The creation of the new reservoir will allow the Village of Sleepy Hollow to meet Department of Health requirements relative to adequate water storage. A two tank system will also, eventually, allow the Village to temporarily take the original reservoir off-line for maintenance. The location of the proposed reservoir is consistent with the existing elevation of the current reservoir and no impacts to service or pressure are anticipated as a result.

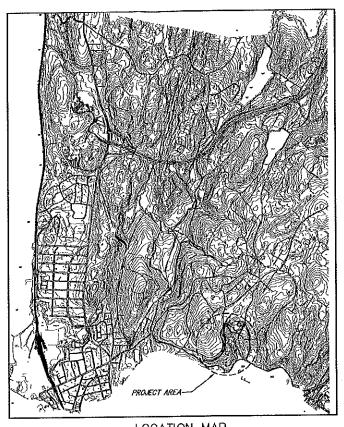
Cultural Resources: The proposed reservoir area would have almost no visual impacts due to associated with the excavation design as the storage capacity would be located below grade. The temporary impact associated with the construction related activities would be mitigated after completion of the improvements. As part of the construction management plan, an Unanticipated Discovery Plan can be prepared that would address the procedures to be followed. These procedures would typically include the engagement of an archeological monitor who would be on site for specific milestone events, the creation of a protocol for the contractor to follow in the event archeological material is discovered including reporting to RBF, the Village and OPRHP followed by the preparation of appropriate reports documenting the findings.

**Community Services:** As noted in the DEIS, the development of the former GM property, including the approximately 16 acres of waterfront open space, is dependent on the Village developing a water storage system consistent with Health Department standards. The water storage alternatives developed as part of this Environmental Document will achieve this requirement.

#### **Next Steps**

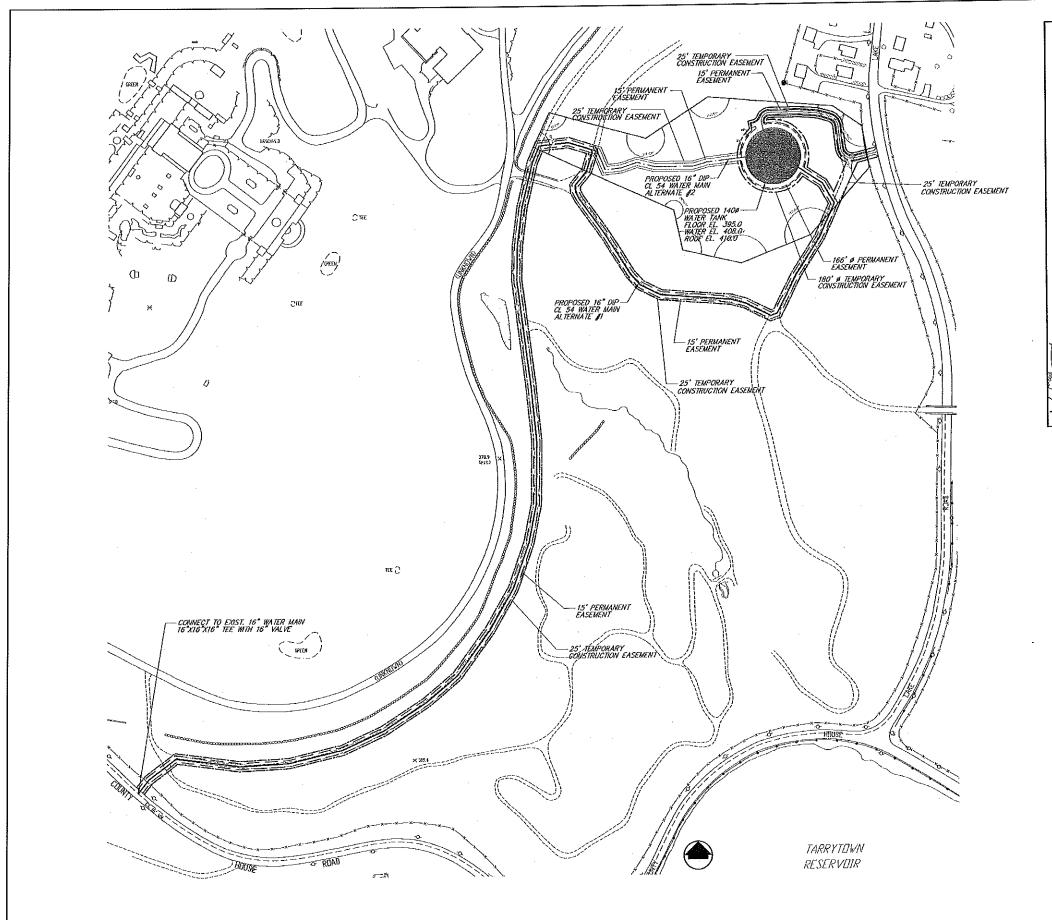
This Environmental Document will be circulated to all interested and involved agencies as required under SEQR and made available to the public for comment. A public hearing shall be scheduled for July 9, 2013 at Village Hall, 28 Beekman Avenue, Sleepy Hollow, NY. The Village shall take into consideration all public comments, including specific coordination with the NYSPOPRHP and the Town of Mt. Pleasant, prior to making revised Environmental Findings on a specific location.

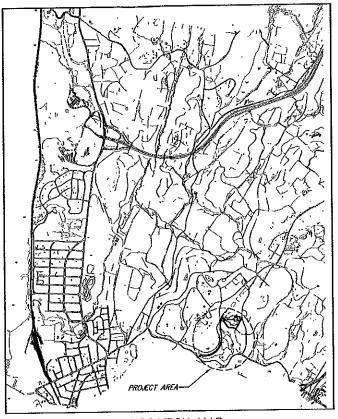




LOCATION MAP

# Exhibit 4 PROPOSED SITE LAYOUT PLAN WATER SUPPLY IMPROVEMENT SYSTEM Village of Sleepy Hollow, New York



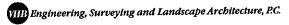


LOCATION MAP

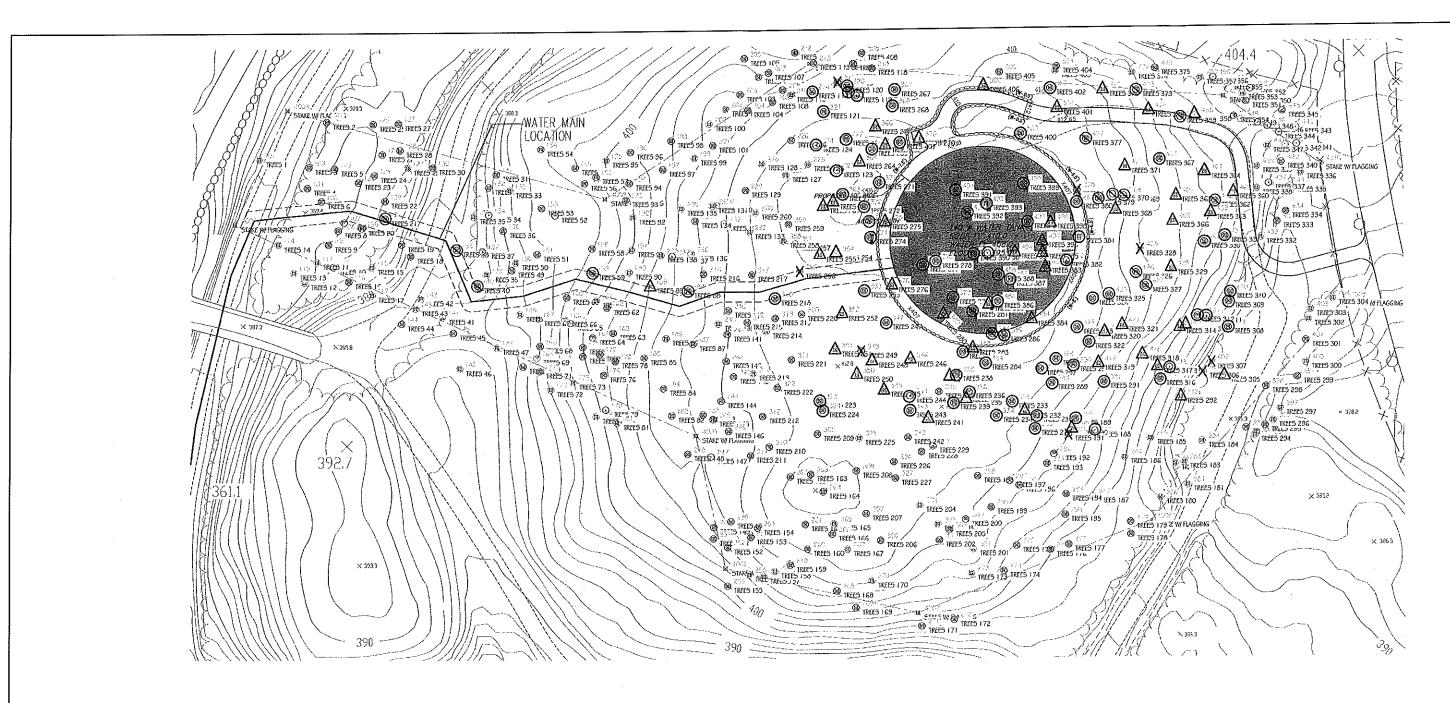
Exhibit 5
PROPOSED
SITE LAYOUT PLAN EASEMENT MAP

WATER SUPPLY IMPROVEMENT SYSTEM

Village of Sleepy Hollow, New York



SOURCE: Dolph Rotfeld Engineering, P.C.

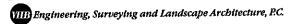


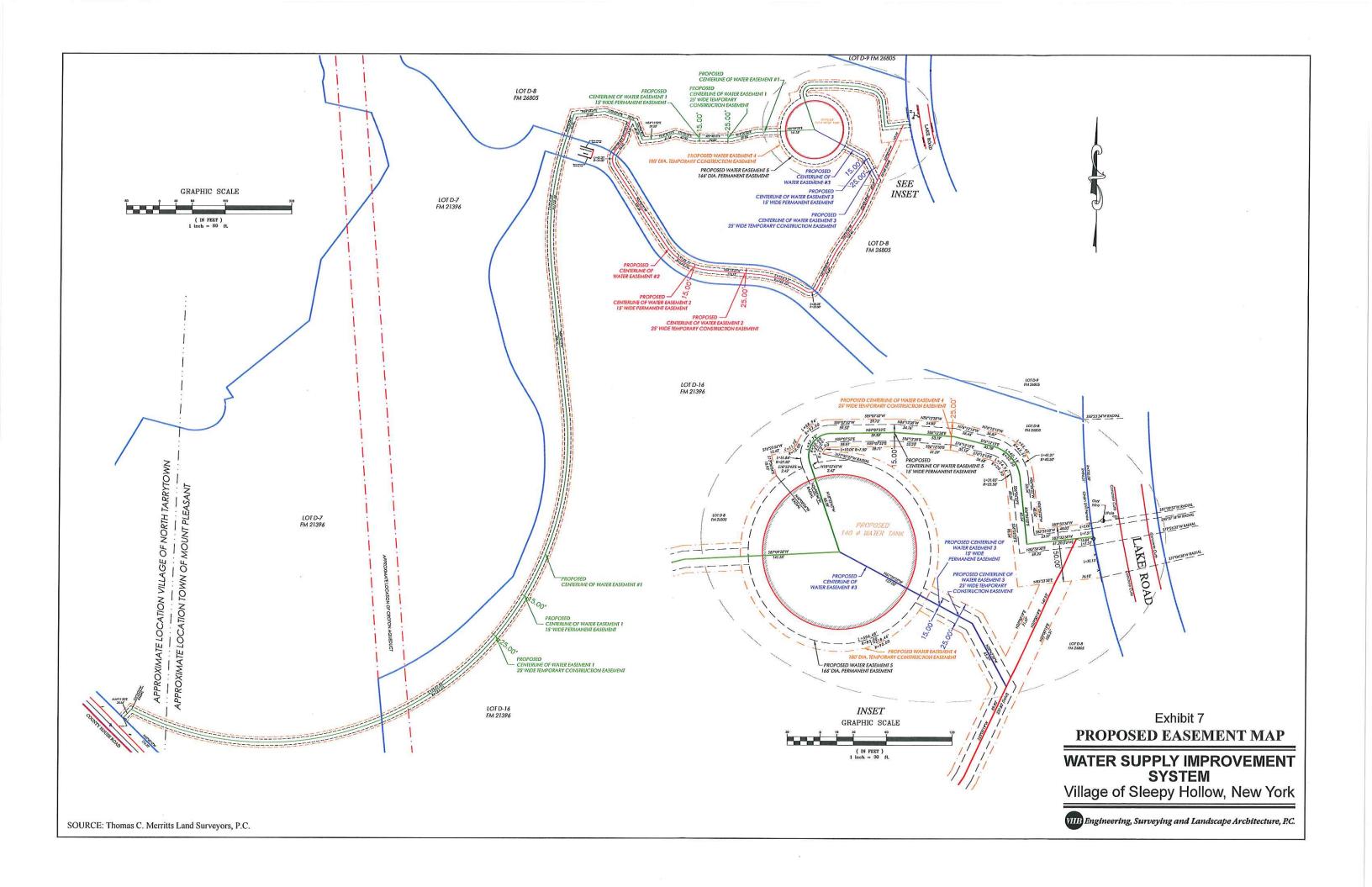
#### TREES TO BE REMOVED:

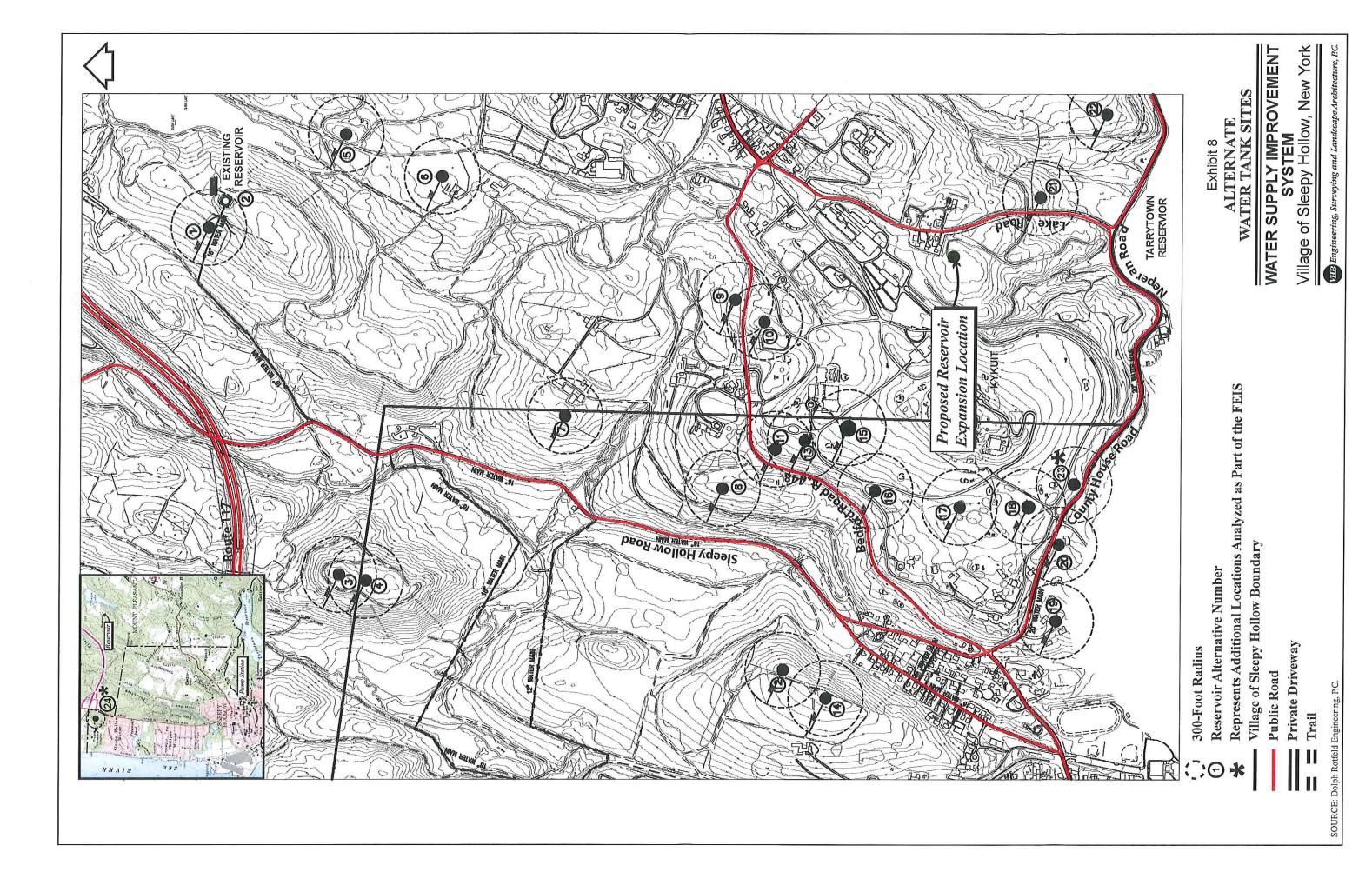
REE #21-POOR REE #38-POOR REE #40-POOR REE #59-POOR REE #59-POOR REE #68-POOR REE #266-CRDICAL REE #266-CRDICAL REE #262-GOOD REE #283-FAIR REE #263-FAIR REE #275-FAIR REE #275-FAIR REE #275-FAIR	TREE #279-GOOD TREE #281-POOR TREE #280-FAR TREE #285-POOR TREE #286-GOOD TREE #278-GOOD TREE #277-GOOD TREE #378-DEAD TREE #380-GOOD TREE #391-GOOD TREE #393-GOOD TREE #393-GOOD TREE #399-GOOD	TREE #38G-GOOD TREE #385-FAIR TREE #389-GOOD TREE #389-GOOD TREE #388-GOOD TREE #388-GOOD TREE #388-GOOD TREE #387-GOOD TREE #387-GOOD TREE #387-GOOD TREE #388-FAIR TREE #388-FAIR	TREE #382-GOOD TREE #397-GOOD TREE #393-FAIR TREE #401-FAIR TREE #372-FAIR TREE #359-POOR	TREE LEGEND  X =CRITICAL/DEAD  POOR CONDITION  FAIR CONDITION  =GOOD CONDITION
---	---	---	--	--

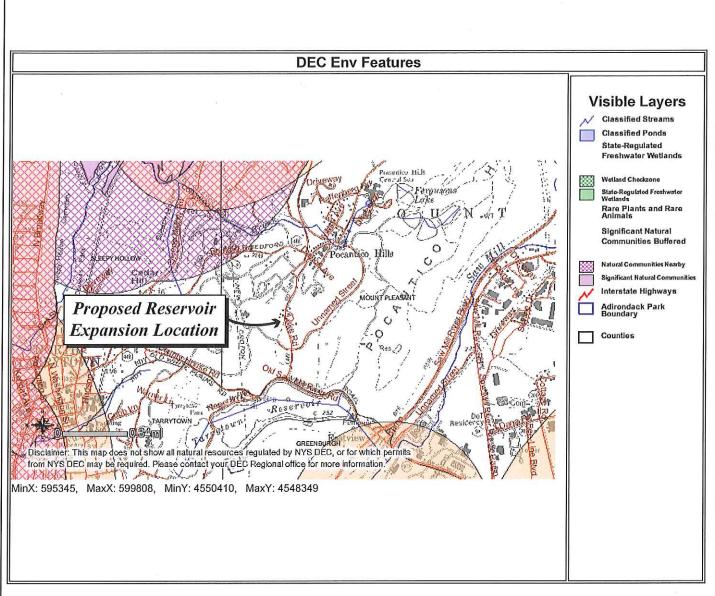
Exhibit 6
PROPOSED TREE REMOVAL
PLAN

WATER SUPPLY IMPROVEMENT SYSTEM Village of Sleepy Hollow, New York









Disclaimer: This map was prepared by the New York State Department of Environmental Conservation using the most current data available. It is deemed accurate but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data.

> Exhibit 9 DEC ENVIRONMENTAL **FEATURES**

WATER SUPPLY IMPROVEMENT SYSTEM

Village of Sleepy Hollow, New York



#### 617.20 Appendix A

# State Environmental Quality Review FULL ENVIRONMENTAL ASSESSMENT FORM

**Purpose:** The full EAF is designed to help applicants and agencies determine, in an orderly manner, whether a project or action may be significant. The question of whether an action may be significant is not always easy to answer. Frequently, there are aspects of a project that are subjective or unmeasurable. It is also understood that those who determine significance may have little or no formal knowledge of the environment or may not be technically expert in environmental analysis. In addition, many who have knowledge in one particular area may not be aware of the broader concerns affecting the question of significance.

The full EAF is intended to provide a method whereby applicants and agencies can be assured that the determination process has been orderly, comprehensive in nature, yet flexible enough to allow introduction of information to fit a project or action.

Full EAF Components: The full EAF is comprised of three parts:

- Part 1: Provides objective data and information about a given project and its site. By identifying basic project data, it assists a reviewer in the analysis that takes place in Parts 2 and 3.
- Part 2: Focuses on identifying the range of possible impacts that may occur from a project or action. It provides guidance as to whether an impact is likely to be considered small to moderate or whether it is a potentially-large impact. The form also identifies whether an impact can be mitigated or reduced.
- Part 3: If any impact in Part 2 is identified as potentially-large, then Part 3 is used to evaluate whether or not the impact is actually important.

#### THIS AREA FOR <u>LEAD AGENCY</u> USE ONLY

#### **DETERMINATION OF SIGNIFICANCE -- Type 1 and Unlisted Actions**

Upon review o		l on this EAF (Parts 1 an		Part 2 ate), and any other support ermined by the lead agency	
A		esult in any large and in the environment, therefo		nd, therefore, is one which ation will be prepared.	will not have a
В	for this Unlisted Actio		n measures describe	nment, there will not be a s ed in PART 3 have been red	
С		t in one or more large are a positive declaration v		s that may have a significar	nt impact on the
	nditioned Negative Declar Willow Water Supply Im	•	Inlisted Actions		
Villag	e Board Village of Sleepy		of Action		
		Name of I	Lead Agency		
Print or Type N	ame of Responsible Office	er in Lead Agency	Title of Respor	ısible Officer	
Signature of Re	sponsible Officer in Lead	Agency	Signature of Pr	reparer (If different from res	sponsible officer)
website			Date		

Page 1 of 21

# PART 1--PROJECT INFORMATION Prepared by Project Sponsor

NOTICE: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire form, Parts A through E. Answers to these questions will be considered as part of the application for approval and may be subject to further verification and public review. Provide any additional information you believe will be needed to complete Parts 2 and 3.

It is expected that completion of the full EAF will be dependent on information currently available and will not involve new studies, research or investigation. If information requiring such additional work is unavailable, so indicate and specify each instance.

Name of Action Village of Sleepy Hollow Water Supply Improvement			
Location of Action (include Street Address, Municipality and County)  Lake Road Town of Mt. Pleasant, Westchester County, NY			
Name of Applicant/Sponsor Village of Sleepy Hollow			
Address Village Hall 28 Beekman Avenue			
City / PO Sleepy Hollow	State NY	Zip Code 10705	
Business Telephone 914-366-5100			
Name of Owner (if different) Rockefeller Brothers Fund, Inc.			
Address 475 Riverside Drive, Suite 900			<u>.</u>
City / PO New York	State NY	Zip Code	
Business Telephone 212-812-4200			
Description of Action:			
See attached narrative.			

# Please Complete Each Question--Indicate N.A. if not applicable

# A. SITE DESCRIPTION

Ph	ysical setting of overall project, both developed and undeveloped areas.		
1.	Present Land Use: Urban Industrial Commercial	Residential (suburban)	Rural (non-farm)
	Forest Agriculture  Other Estate		
2.	Total acreage of project area:1.2+/ acres.		
	APPROXIMATE ACREAGE	PRESENTLY	AFTER COMPLETION
	Meadow or Brushland (Non-agricultural)	acres	acres
	Forested	0.87+/- acres	acres
	Agricultural (Includes orchards, cropland, pasture, etc.)	acres	acres
	Wetland (Freshwater or tidal as per Articles 24,25 of ECL)	acres	acres
	Water Surface Area	acres	acres
	Unvegetated (Rock, earth or fill)	acres	acres
	Roads, buildings and other paved surfaces		1.2+/ acres
	Other (Indicate type)	acres	acres
3.	What is predominant soil type(s) on project site?		
	a. Soil drainage: ✓ Well drained 90% of site ✓ Moderat	tely well drained10% o	f site.
	Poorly drained% of site		
	<ul> <li>b. If any agricultural land is involved, how many acres of soil are classified Classification System? NA acres (see 1 NYCRR 370).</li> </ul>	l within soil group 1 throuç	gh 4 of the NYS Land
4.	Are there bedrock outcroppings on project site?		
	a. What is depth to bedrock <u>0 to &gt;3-5</u> (in feet)		
5.	Approximate percentage of proposed project site with slopes:		
	✓ 0-10% 90 % ✓ 10- 15% 10 % 15% or greater_	%	
6.	Is project substantially contiguous to, or contain a building, site, or district, li Historic Places? Yes No	isted on the State or Natio	nal Registers of
7.	Is project substantially contiguous to a site listed on the Register of National	Natural Landmarks?	Yes • No
8.	What is the depth of the water table? $\ge 6$ (in feet)		
9.	Is site located over a primary, principal, or sole source aquifer?	s No	
10.	Do hunting, fishing or shell fishing opportunities presently exist in the project	t area? Yes	No

11.	Does project site contain any species of plant or animal life that is identified as threatened or endangered?
	According to:
	DEC review
	Identify each species:
12.	Are there any unique or unusual land forms on the project site? (i.e., cliffs, dunes, other geological formations?
	Yes   ■ No
	Describe:
13	Is the project site presently used by the community or neighborhood as an open space or recreation area?
10,	Yes No
	If yes, explain:
14.	Does the present site include scenic views known to be important to the community?  Yes  No
15.	Streams within or contiguous to project area:
	None
	a. Name of Stream and name of River to which it is tributary
	,
16.	Lakes, ponds, wetland areas within or contiguous to project area:
	None
	b. Size (in acres):

17	7. Is the site served by existing public utilities?
	a. If YES, does sufficient capacity exist to allow connection?
	b. If YES, will improvements be necessary to allow connection?
18	3. Is the site located in an agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?  Yes  No
19	Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617?
20 <b>B</b> .	Has the site ever been used for the disposal of solid or hazardous wastes?  Project Description
1.	Physical dimensions and scale of project (fill in dimensions as appropriate).
	a. Total contiguous acreage owned or controlled by project sponsor:250+/- acres.
	b. Project acreage to be developed:1.2+/- acres initially;1.2+/- acres ultimately.
	c. Project acreage to remain undeveloped:56+/ acres.
	d. Length of project, in miles: NA (if appropriate)
	e. If the project is an expansion, indicate percent of expansion proposed200_ %
	f. Number of off-street parking spaces existing
	g. Maximum vehicular trips generated per hour: NA (upon completion of project)?
	h. If residential: Number and type of housing units:
	One Family Two Family Multiple Family Condominium
	Initially
	Ultimately
	i. Dimensions (in feet) of largest proposed structure:15 height;140 width;140 length.
	j. Linear feet of frontage along a public thoroughfare project will occupy is? ft.
2.	How much natural material (i.e. rock, earth, etc.) will be removed from the site? $\pm 12,000$ tons/cubic yards.
3.	Will disturbed areas be reclaimed    Yes  No  N/A
	a. If yes, for what intended purpose is the site being reclaimed?
	trails
	b. Will topsoil be stockpiled for reclamation?  Yes  No
	c. Will upper subsoil be stockpiled for reclamation?
4.	How many acres of vegetation (trees, shrubs, ground covers) will be removed from site?0.64+/ acres.

5.	Will any mature forest (over 100 years old) or other locally-important vegetation be removed by this project?
	YesNo
6.	If single phase project: Anticipated period of construction:12 months, (including demolition)
7.	If multi-phased:
	a. Total number of phases anticipated <u>NA</u> (number)
	b. Anticipated date of commencement phase 1: month year, (including demolition)
	c. Approximate completion date of final phase: month year.
	d. Is phase 1 functionally dependent on subsequent phases? Yes No
8.	Will blasting occur during construction?
9.	Number of jobs generated: during construction12; after project is complete
10.	. Number of jobs eliminated by this project $\underline{0}$ .
11.	. Will project require relocation of any projects or facilities? Yes No
	If yes, explain:
12.	. Is surface liquid waste disposal involved? Yes No
	a. If yes, indicate type of waste (sewage, industrial, etc) and amount
	b. Name of water body into which effluent will be discharged
13.	. Is subsurface liquid waste disposal involved? Yes No Type
14.	. Will surface area of an existing water body increase or decrease by proposal? Yes No
	If yes, explain:
15.	Is project or any portion of project located in a 100 year flood plain? Yes
16.	Will the project generate solid waste? Yes No
	a. If yes, what is the amount per month? <u>NA</u> tons
	b. If yes, will an existing solid waste facility be used? Yes No
	c. If yes, give name; location
	d. Will any wastes not go into a sewage disposal system or into a sanitary landfill? Yes No

e. If yes, explain:
17. Will the project involve the disposal of solid waste? Yes No
a. If yes, what is the anticipated rate of disposal? tons/month.
b. If yes, what is the anticipated site life? years.
18. Will project use herbicides or pesticides? Yes No
19. Will project routinely produce odors (more than one hour per day)? Yes No
20. Will project produce operating noise exceeding the local ambient noise levels? Yes No
21. Will project result in an increase in energy use?
If yes, indicate type(s)
Minimal increase in energy related to pumping to the new reservoir
22. If water supply is from wells, indicate pumping capacity <u>NA</u> gallons/minute.
23. Total anticipated water usage per day gallons/day.
24. Does project involve Local, State or Federal funding?   Yes No
If yes, explain:
Village applying for revolving funds
vinage applying for revolving funds

23. Approvais required.			Туре	Submittal Date
			SEQRA	
<del>City, Town,</del> Village Board	Yes	No No	Funding	
			Special Permit Sect. 285-55	
City, Town, Village Planning Board	Yes	No	Special Fernit Sect. 203-33	
			<u> </u>	
				<u></u>
City, Town Zoning Board	Yes	No		
J. J		<u> </u>		
			plan review	,
City, County Health Department	Yes	No		
		STATE OF THE STATE	Local Ord. Sect. 218-55	
Other Local Agencies	Yes	No	Local Ord. Sect. 218-33	
Mt. Pleasant Town				····
Board				
Other Regional Agencies	Yes	No		
			·	
State Agencies	Yes	No	NYSOPRHP	<u></u>
State Agencies	res	I INO	NYSDEC	
			NYSDOH	
	***************************************			
Federal Agencies	Yes	No		
C. Zoning and Planning Information				
Does proposed action involve a plant	ning or zonin	g decision?	s No	
If Yes, indicate decision required:			<del></del>	
Zoning amendment	Zoning var	iance	New/revision of master plan	Subdivision
Site plan	<del></del> 1		Resource management plan	Other

What is the zoning classification(s) of the site?		
R-40 One Family Residential District		
What is the maximum potential development of the site if developed as permitted by the present	zoning?	
NA, property owner will not develop for other use		
What is the proposed zoning of the site?		100 mm
NA		
What is the maximum potential development of the site if developed as permitted by the propose	ed zoning?	
NA .		
Is the proposed action consistent with the recommended uses in adopted local land use plans?	Yes	☐ No
What are the predominant land use(s) and zoning classifications within a ¼ mile radius of propos	ed action?	
Residential, cultural facility, open space		
s the proposed action compatible with adjoining/surrounding land uses with a ¼ mile?	■ Yes	No
f the proposed action is the subdivision of land, how many lots are proposed? NA		
. What is the minimum lot size proposed? NA		

10.	Will proposed action require any authorization(s) for the formation of sewer or water districts? Yes
4.4	Will the proposed action create a demand for any community provided services (recreation, education, police, fire protection?
11.	Yes No
	a. If yes, is existing capacity sufficient to handle projected demand?
	NA
12.	Will the proposed action result in the generation of traffic significantly above present levels?
	a. If yes, is the existing road network adequate to handle the additional traffic.
D.	Informational Details
assc	Attach any additional information as may be needed to clarify your project. If there are or may be any adverse impacts ciated with your proposal, please discuss such impacts and the measures which you propose to mitigate or avoid them.
Ε.	Verification
	I certify that the information provided above is true to the best of my knowledge.
	Applicant/Sponsor Name Villager of Sleepy Hollow Date June 25, 2013
	Signature David B. Smith
	Title Planning Consultant to the Village of Sleepy Hollow

If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment.

#### PART 2 - PROJECT IMPACTS AND THEIR MAGNITUDE

Responsibility of Lead Agency

General	Information	(Read Carefully)

- In completing the form the reviewer should be guided by the question: Have my responses and determinations been reasonable? The reviewer is not expected to be an expert environmental analyst.
- ! The Examples provided are to assist the reviewer by showing types of impacts and wherever possible the threshold of magnitude that would trigger a response in column 2. The examples are generally applicable throughout the State and for most situations. But, for any specific project or site other examples and/or lower thresholds may be appropriate for a Potential Large Impact response, thus requiring evaluation in Part 3.
- ! The impacts of each project, on each site, in each locality, will vary. Therefore, the examples are illustrative and have been offered as guidance. They do not constitute an exhaustive list of impacts and thresholds to answer each question.
- ! The number of examples per question does not indicate the importance of each question.
- In identifying impacts, consider long term, short term and cumulative effects.

#### Instructions (Read carefully)

- a. Answer each of the 20 questions in PART 2. Answer Yes if there will be any impact.
- b. Maybe answers should be considered as Yes answers.
- c. If answering Yes to a question then check the appropriate box(column 1 or 2)to indicate the potential size of the impact. If impact threshold equals or exceeds any example provided, check column 2. If impact will occur but threshold is lower than example, check column 1.
- d. Identifying that an Impact will be potentially large (column 2) does not mean that it is also necessarily **significant**. Any large impact must be evaluated in PART 3 to determine significance. Identifying an impact in column 2 simply asks that it be looked at further.
- e. If reviewer has doubt about size of the impact then consider the impact as potentially large and proceed to PART 3.
- f. If a potentially large impact checked in column 2 can be mitigated by change(s) in the project to a small to moderate impact, also check the **Yes** box in column 3. A **No** response indicates that such a reduction is not possible. This must be explained in Part 3.

Схріції	ica iiri aico.			
		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
	Impact on Land			
1. Will the Prop	osed Action result in a physical change to the project			
site? NO	YES •			
Examp •	les that would apply to column 2 Any construction on slopes of 15% or greater, (15 foot rise per 100 foot of length), or where the general slopes in the project area exceed 10%.			Yes No
•	Construction on land where the depth to the water table is less than 3 feet.			Yes No
•	Construction of paved parking area for 1,000 or more vehicles.			Yes No
•	Construction on land where bedrock is exposed or generally within 3 feet of existing ground surface.			Yes No
•	Construction that will continue for more than 1 year or involve more than one phase or stage.			Yes No
•	Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
	Construction or expansion of a santary landfill.	1	array ob home	Yes No
	Construction in a designated floodway.			Yes No
	Other impacts:		(\$3.00 miles)	Yes No
			31334413100	
2.	Will there be an effect to any unique or unusual land forms found on the site? (i.e., cliffs, dunes, geological formations, etc.)  NO  YES			
	Specific land forms:	<b>L</b>		Yes No
	Impact on Water			
3.	Will Proposed Action affect any water body designated as protected? (Under Articles 15, 24, 25 of the Environmental Conservation Law, ECL)			
	NO YES			
	Examples that would apply to column 2     Developable area of site contains a protected water body.			Yes No
	<ul> <li>Dredging more than 100 cubic yards of material from channel of a protected stream.</li> </ul>			Yes No
	<ul> <li>Extension of utility distribution facilities through a protected water body.</li> </ul>			Yes No
	Construction in a designated freshwater or tidal wetland.		and demonstra	Yes No
	Other impacts:	<u>L</u> j	<u> </u>	Yes No
			17-7-7-00-100 (100 (100 (100 (100 (100 (100 (1	
4.	Will Proposed Action affect any non-protected existing or new body of water?  YES			
	Examples that would apply to column 2			
	<ul> <li>A 10% increase or decrease in the surface area of any body of water or more than a 10 acre increase or decrease.</li> </ul>			Yes No
	Construction of a body of water that exceeds 10 acres of surface area.			Yes No
	Other impacts:			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
	ill Proposed Action affect surface or groundwater quality or antity?  NO YES			
Ex	camples that would apply to column 2 Proposed Action will require a discharge permit.			Yes No
•	Proposed Action requires use of a source of water that does not have approval to serve proposed (project) action.		Patrician III	Yes No
•	Proposed Action requires water supply from wells with greater than 45 gallons per minute pumping capacity.			Yes No
•	Construction or operation causing any contamination of a water supply system.			Yes No
• '	Proposed Action will adversely affect groundwater.			Yes No
•	Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity.			Yes No
•	Proposed Action would use water in excess of 20,000 gallons per day.			Yes No
•	Proposed Action will likely cause siltation or other discharge into an existing body of water to the extent that there will be an obvious visual contrast to natural conditions.			Yes No
•	Proposed Action will require the storage of petroleum or chemical products greater than 1,100 gallons.			Yes No
•	Proposed Action will allow residential uses in areas without water and/or sewer services.			Yes No
•	Proposed Action locates commercial and/or industrial uses which may require new or expansion of existing waste treatment and/or storage facilities.			Yes No
	Other impacts:			Yes No

		Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change
6.	Will Proposed Action alter drainage flow or patterns, or surface water runoff?  NO YES			
	<ul> <li>Examples that would apply to column 2</li> <li>Proposed Action would change flood water flows</li> </ul>			Yes No
	Proposed Action may cause substantial erosion.			Yes No
	Proposed Action is incompatible with existing drainage patterns.			Yes No
	<ul> <li>Proposed Action will allow development in a designated floodway.</li> </ul>	<u></u>		Yes No
	Other impacts:			Yes No
	IMPACT ON AIR			
7.	Will Proposed Action affect air quality?  NO YES			
	Examples that would apply to column 2     Proposed Action will induce 1,000 or more vehicle trips in any given hour.			Yes No
	<ul> <li>Proposed Action will result in the incineration of more than 1 ton of refuse per hour.</li> </ul>			Yes No
	<ul> <li>Emission rate of total contaminants will exceed 5 lbs. per hour or a heat source producing more than 10 million BTU's per hour.</li> </ul>			Yes No
			of a minimum	Yes No
	<ul> <li>Proposed Action will allow an increase in the amount of land committed to industrial use.</li> </ul>	<u> </u>		Lifes Lino
	Proposed Action will allow an increase in the density of industrial development within existing industrial areas.		definition of the second	Yes No
	Other impacts:			Yes No
	IMPACT ON PLANTS AND ANIMALS			
8.	Will Proposed Action affect any threatened or endangered species?			
	Examples that would apply to column 2     Reduction of one or more species listed on the New York or Federal list, using the site, over or near the site, or found on the site.			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
	Removal of any portion of a critical or significant wildlife habitat.			Yes No
•	<ul> <li>Application of pesticide or herbicide more than twice a year, other than for agricultural purposes.</li> </ul>			Yes No
	Other impacts:			Yes No
	Will Proposed Action substantially affect non-threatened or non- endangered species?  NO YES			
	Examples that would apply to column 2  Proposed Action would substantially interfere with any resident or migratory fish, shellfish or wildlife species.		-	Yes No
•	Proposed Action requires the removal of more than 10 acres of mature forest (over 100 years of age) or other locally important vegetation.			Yes No
•	Other impacts:			Yes No
0. V	IMPACT ON AGRICULTURAL LAND RESOURCES  Will Proposed Action affect agricultural land resources?  NO YES			
	Examples that would apply to column 2  The Proposed Action would sever, cross or limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.)			Yes No
•	Construction activity would excavate or compact the soil profile of agricultural land.			Yes No
•	The Proposed Action would irreversibly convert more than 10 acres of agricultural land or, if located in an Agricultural District, more than 2.5 acres of agricultural land.			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
•	The Proposed Action would disrupt or prevent installation of agricultural land management systems (e.g., subsurface drain lines, outlet ditches, strip cropping); or create a need for such measures (e.g. cause a farm field to drain poorly due to increased runoff).	Assessed		Yes No
•	Other impacts:			Yes No
	IMPACT ON AESTHETIC RESOURCES			
	Vill Proposed Action affect aesthetic resources? (If necessary, use ne Visual EAF Addendum in Section 617.20, Appendix B.)  NO YES			
•	Examples that would apply to column 2 Proposed land uses, or project components obviously different from or in sharp contrast to current surrounding land use patterns, whether man-made or natural.			Yes No
•	Proposed land uses, or project components visible to users of aesthetic resources which will eliminate or significantly reduce their enjoyment of the aesthetic qualities of that resource.			Yes No
•	Project components that will result in the elimination or significant screening of scenic views known to be important to the area.			Yes No
•	Other impacts:		**************************************	Yes No
	IMPACT ON HISTORIC AND ARCHAEOLOGICAL RESOURCES			
	fill Proposed Action impact any site or structure of historic, rehistoric or paleontological importance?  NO YES			
<b>.</b>	xamples that would apply to column 2 Proposed Action occurring wholly or partially within or substantially contiguous to any facility or site listed on the State or National Register of historic places.			Yes No
•	Any impact to an archaeological site or fossil bed located within the project site.		discriment of the second of th	Yes No
•	Proposed Action will occur in an area designated as sensitive for archaeological sites on the NYS Site Inventory.			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
•	Other impacts:	<u>L</u>		Yes No
	IMPACT ON OPEN SPACE AND RECREATION			
	Will proposed Action affect the quantity or quality of existing or future open spaces or recreational opportunities?  NO YES			
•	Examples that would apply to column 2  The permanent foreclosure of a future recreational opportunity.			Yes No
•	A major reduction of an open space important to the community.			Yes No
•	Other impacts:			Yes No
	IMPACT ON CRITICAL ENVIRONMENTAL AREAS			
c	Vill Proposed Action impact the exceptional or unique haracteristics of a critical environmental area (CEA) established cursuant to subdivision 6NYCRR 617.14(g)?  NO YES			
	ist the environmental characteristics that caused the designation of ne CEA.			4/2007/
-	Project site is located within the Tarrytown Lakes Watershed Area			
Ε.	examples that would apply to column 2 Proposed Action to locate within the CEA?		:	Yes No
•	Proposed Action will result in a reduction in the quantity of the resource?			Yes No
•	Proposed Action will result in a reduction in the quality of the resource?			Yes No
•	Proposed Action will impact the use, function or enjoyment of the resource?			Yes No
•	Other impacts:			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
	IMPACT ON TRANSPORTATION			
15. W	vill there be an effect to existing transportation systems?  NO YES			
E:	xamples that would apply to column 2 Alteration of present patterns of movement of people and/or goods.			Yes No
•	Proposed Action will result in major traffic problems.			Yes No
•	Other impacts:			Yes No
	IMPACT ON ENERGY			<del></del>
	/ill Proposed Action affect the community's sources of fuel or nergy supply?		•	
	■ NO YES			
E)	xamples that would apply to column 2 Proposed Action will cause a greater than 5% increase in the use of any form of energy in the municipality.			Yes No
•	Proposed Action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two family residences or to serve a major commercial or industrial use.			Yes No
•	Other impacts:			Yes No
	NOISE AND ODOR IMPACT			
	fill there be objectionable odors, noise, or vibration as a result of e Proposed Action?			
	■ NO YES			
Ex	camples that would apply to column 2  Blasting within 1,500 feet of a hospital, school or other sensitive facility.			Yes No
•	Odors will occur routinely (more than one hour per day).			Yes No
•	Proposed Action will produce operating noise exceeding the local ambient noise levels for noise outside of structures.			Yes No
•	Proposed Action will remove natural barriers that would act as a noise screen.			Yes No
•	Other impacts:			Yes No

	Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change
IMPACT ON PUBLIC HEALTH			
8. Will Proposed Action affect public health and safety?  NO  YES			
<ul> <li>Proposed Action may cause a risk of explosion or release of hazardous substances (i.e. oil, pesticides, chemicals, radiation, etc.) in the event of accident or upset conditions, or there may be a chronic low level discharge or emission.</li> </ul>			Yes No
<ul> <li>Proposed Action may result in the burial of "hazardous wastes" in any form (i.e. toxic, poisonous, highly reactive, radioactive, irritating, infectious, etc.)</li> </ul>			Yes No
<ul> <li>Storage facilities for one million or more gallons of liquefied natural gas or other flammable liquids.</li> </ul>			Yes No
<ul> <li>Proposed Action may result in the excavation or other disturbance within 2,000 feet of a site used for the disposal of solid or hazardous waste.</li> </ul>			Yes No
Other impacts:			Yes No
IMPACT ON GROWTH AND CHARACTER OF COMMUNITY OR NEIGHBORHOOD			
9. Will Proposed Action affect the character of the existing community?  NO YES			
<ul> <li>Examples that would apply to column 2</li> <li>The permanent population of the city, town or village in which the project is located is likely to grow by more than 5%.</li> </ul>			Yes No
<ul> <li>The municipal budget for capital expenditures or operating services will increase by more than 5% per year as a result of this project.</li> </ul>			Yes No
<ul> <li>Proposed Action will conflict with officially adopted plans or goals.</li> </ul>			Yes No
<ul> <li>Proposed Action will cause a change in the density of land use.</li> </ul>			Yes No
<ul> <li>Proposed Action will replace or eliminate existing facilities, structures or areas of historic importance to the community.</li> </ul>			Yes No
<ul> <li>Development will create a demand for additional community services (e.g. schools, police and fire, etc.)</li> </ul>			Yes No

		1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
•	Proposed Action will set an important precedent for future projects.			Yes No
•	Proposed Action will create or eliminate employment.			Yes No
•	Other impacts:			Yes No
	here, or is there likely to be, public controversy related to potential	-		
adv	verse environment impacts? NO YES			

If Any Action in Part 2 Is Identified as a Potential Large Impact or If you Cannot Determine the Magnitude of Impact, Proceed to Part 3

### Part 3 - EVALUATION OF THE IMPORTANCE OF IMPACTS

## Responsibility of Lead Agency

Part 3 must be prepared if one or more impact(s) is considered to be potentially large, even if the impact(s) may be mitigated.

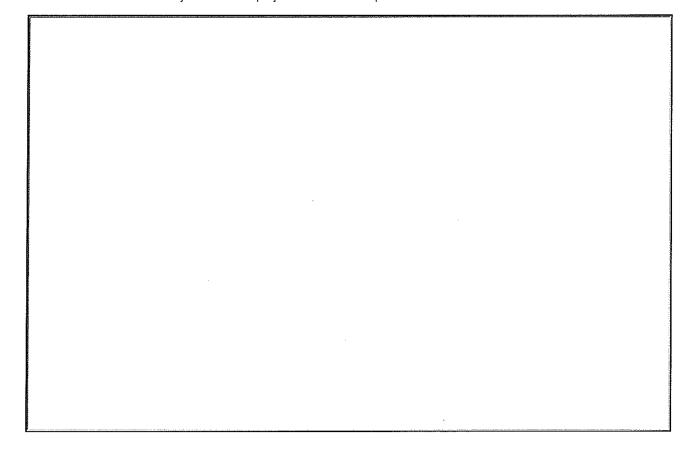
Instructions (If you need more space, attach additional sheets)

Discuss the following for each impact identified in Column 2 of Part 2:

- 1. Briefly describe the impact.
- 2. Describe (if applicable) how the impact could be mitigated or reduced to a small to moderate impact by project change(s).
- 3. Based on the information available, decide if it is reasonable to conclude that this impact is important.

To answer the question of importance, consider:

- ! The probability of the impact occurring
- ! The duration of the impact
- I Its irreversibility, including permanently lost resources of value
- ! Whether the impact can or will be controlled
- ! The regional consequence of the impact
- ! Its potential divergence from local needs and goals
- ! Whether known objections to the project relate to this impact.



# **Appendix A**

Village of Sleepy Hollow Water Supply Improvement DEIS and FEIS (Incorporated by reference available upon request)